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Relevance scale ☐ ☐ ☐ ☐ ☐**1** [IP-based services over GPRS](#)

Vikrant A. Chitre, John N. Daigle

December 2000 **ACM SIGMETRICS Performance Evaluation Review**, Volume 28 Issue 3

Publisher: ACM Press

Full text available: [pdf\(806.45 KB\)](#) Additional Information: [full citation](#), [abstract](#), [citations](#), [index terms](#)

The utility of mobile computing in the future will be determined to a large degree by the quality of service achievable over cellular based systems. In this paper, we examine the traffic-handling capabilities of General Packet Radio Service (GPRS) with respect to supporting IP-based Internet services. We begin with an overview of GPRS. We then present an analytical model to assess throughput of the reverse link as a function of the number of users connected and the distribution of user message l ...

**Keywords:** IP over wireless, cellular data service, performance, queues with contention**2** [Technical papers: design recovery: Architecture recovery of web applications](#)

Ahmed E. Hassan, Richard C. Holt

May 2002 **Proceedings of the 24th International Conference on Software Engineering**

Publisher: ACM Press

Full text available: [pdf\(1.23 MB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

Web applications are the legacy software of the future. Developed under tight schedules, with high employee turn over, and in a rapidly evolving environment, these systems are often poorly structured and poorly documented. Maintaining such systems is problematic. This paper presents an approach to recover the architecture of such systems, in order to make maintenance more manageable. Our lightweight approach is flexible and retargetable to the various technologies that are used in developing web ...

**3** [Research track papers: Towards parameter-free data mining](#)

Eamonn Keogh, Stefano Lonardi, Chotirat Ann Ratanamahatana

August 2004 **Proceedings of the tenth ACM SIGKDD international conference on Knowledge discovery and data mining KDD '04**

Publisher: ACM Press

Full text available: [pdf\(770.63 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Most data mining algorithms require the setting of many input parameters. Two main


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### 1 [Research session 5: data mining / transaction management: A divide-and-merge](#)



#### [methodology for clustering](#)

David Cheng, Santosh Vempala, Ravi Kannan, Grant Wang

 June 2005 **Proceedings of the twenty-fourth ACM SIGMOD-SIGACT-SIGART  
symposium on Principles of database systems**

Publisher: ACM Press

Full text available: [pdf\(791.76 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#)

We present a divide-and-merge methodology for clustering a set of objects that combines a top-down "divide" phase with a bottom-up "merge" phase. In contrast, previous algorithms either use top-down or bottom-up methods to construct a hierarchical clustering or produce a flat clustering using local search (e.g., *k*-means). Our divide phase produces a tree whose leaves are the elements of the set. For this phase, we use an efficient spectral algorithm. The merge phase quickly finds an optim ...

### 2 [Web interactions: A comparison of LSA, wordNet and PMI-IR for predicting user click behavior](#)



Ishwinder Kaur, Anthony J. Hornof

 April 2005 **Proceedings of the SIGCHI conference on Human factors in computing systems**

Publisher: ACM Press

Full text available: [pdf\(2.12 MB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

A predictive tool to simulate human visual search behavior would help interface designers inform and validate their design. Such a tool would benefit from a semantic component that would help predict search behavior even in the absence of exact textual matches between goal and target. This paper discusses a comparison of three semantic systems-LSA, WordNet and PMI-IR-to evaluate their performance in predicting the link that people would select given an information goal and a webpage. PMI-IR best ...

**Keywords:** LSA, PMI, computational linguistics, semantic relatedness, semantic similarity, wordNet

### 3 [ITiCSE 2000 working group reports: Non-programming resources for an introduction to CS: a collection of resources for the first courses in computer science](#)



Joseph Bergin, Charles Kelemen, Myles McNally, Tom Naps, Mike Goldweber, Chris Power, Stephen Hartley


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 Terms used **divide document portions**

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### 1 [Document Formatting Systems: Survey, Concepts, and Issues](#)



Richard Furuta, Jeffrey Scofield, Alan Shaw

 September 1982 **ACM Computing Surveys (CSUR)**, Volume 14 Issue 3

Publisher: ACM Press

Full text available: pdf(5.36 MB)

 Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

### 2 [Key management and key exchange: A temporal key management scheme for secure broadcasting of XML documents](#)



Elisa Bertino, Barbara Carminati, Elena Ferrari

 November 2002 **Proceedings of the 9th ACM conference on Computer and communications security**

Publisher: ACM Press

Full text available: pdf(242.89 KB)

 Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Secure broadcasting of web documents is becoming a crucial need for many web-based applications. Under the broadcast document dissemination strategy a web document source periodically broad-casts (portions of) its documents to a possibly large community of subjects, without the need of explicit subject requests. By secure broadcasting we mean that the delivery of information to sub-jects must obey the access control policies of the document source. Since different subjects may have the right to ...

**Keywords:** XML, secure broadcasting, temporal key management

### 3 [An object-oriented Office Document Architecture model for processing and interchange of documents](#)



W. Horak, G. Krönert

 January 1984 **ACM SIGOA Newsletter , Proceedings of the 2nd ACM-SIGOA conference on Office information systems**, Volume 5 Issue 1-2

Publisher: ACM Press

Full text available: pdf(717.62 KB)

 Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

The office document architecture model provides for the description of the internal structures and correlations in documents independently of applications. The Technical Committee TC 2 of the European Computer Manufacturers Association (ECMA) is currently


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### 1 [Combining hypertext and structured documents in Grif](#)



Vincent Quint, Irène Vatton

 December 1993 **Proceedings of the ACM conference on Hypertext**

Publisher: ACM Press

 Full text available: [pdf\(1.02 MB\)](#)

 Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

### 2 [Reading patterns and usability in visualizations of electronic documents](#)



Kasper Hornbæk, Erik Frøkjær

 June 2003 **ACM Transactions on Computer-Human Interaction (TOCHI)**, Volume 10 Issue 2

Publisher: ACM Press

 Full text available: [pdf\(4.18 MB\)](#)

 Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#), [review](#)

We present an exploration of reading patterns and usability in visualizations of electronic documents. Twenty subjects wrote essays and answered questions about scientific documents using an overview+detail, a fisheye, and a linear interface. We study reading patterns by progression maps that visualize the progression of subjects' reading activity, and by visibility maps that show for how long different parts of the document are visible. The reading patterns help explain differences in usability ...

**Keywords:** Electronic documents, digital documents, fisheye interface, information retrieval, information visualization, overview+detail interface, reading, reading patterns

### 3 [Cut as a querying unit for WWW, Netnews, e-mail](#)



Keishi Tajima, Yoshiaki Mizuuchi, Masatsugu Kitagawa, Katsumi Tanaka

 May 1998 **Proceedings of the ninth ACM conference on Hypertext and hypermedia : links, objects, time and space---structure in hypermedia systems: links, objects, time and space---structure in hypermedia systems**

Publisher: ACM Press

 Full text available: [pdf\(1.23 MB\)](#)

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4

[Papers: Identifying, the coding system and language, of on-line documents on the](#)



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### 1 [Web site engineering: A flexible framework for engineering "my" portals](#)



Fernando Bellas, Daniel Fernández, Abel Muiño

 May 2004 **Proceedings of the 13th international conference on World Wide Web**

Publisher: ACM Press

 Full text available: pdf(420.01 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

There exist many portal servers that support the construction of "My" portals that is portals that allow the user to have one or more personal pages composed of a number of personalizable services. The main drawback of current portal servers is their lack of generality and adaptability. This paper presents the design of MyPersonalizer a J2EE-based framework for engineering My portals. The framework is structured according to the Model-View-Controller and Layers architectural patterns providing g ...

**Keywords:** design patterns, j2ee, portal technology, web application frameworks and architectures, web engineering

### 2 [Product lines and middleware: Industrial experience with building a web portal product line using a lightweight, reactive approach](#)



Ulf Pettersson, Stan Jarzabek

 September 2005 **Proceedings of the 10th European software engineering conference held jointly with 13th ACM SIGSOFT international symposium on Foundations of software engineering ESEC/FSE-13**

Publisher: ACM Press

 Full text available: pdf(1.04 MB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Imprecise, frequently changing requirements and short time-to-market create challenges for application of conventional software methods in Web Portal engineering. To address these challenges, ST Electronics (Info-Software Systems) Pte. Ltd. applied a lightweight, reactive approach to support a Web Portal product line. Unique characteristics of the approach were fast, low-cost migration from a single conventional Web Portal towards a reusable "generic Web Portal" solution, effective handling of l ...

**Keywords:** maintenance, program synthesis, reuse, software product lines, static meta-programming, web engineering

### 3 [Focus on Cisco switch management](#)

